

PIONEER PARK

BY YINGHAO WANG

PROBLEM STATEMENT

THIS SITE HAS NOT BEEN FULLY USED. MANY PARTS OF THIS PLACE ARE STILL WILD. SOME EQUIPMENTS ARE OLD AND NEED BE CHANGED. THE CITY AND THE COMMUNITY NEED A GREAT PARK FOR SERVING PEOPLE, WHOEVER THE RESIDENTS OR VISITORS.



EXISTING SITE VIEW

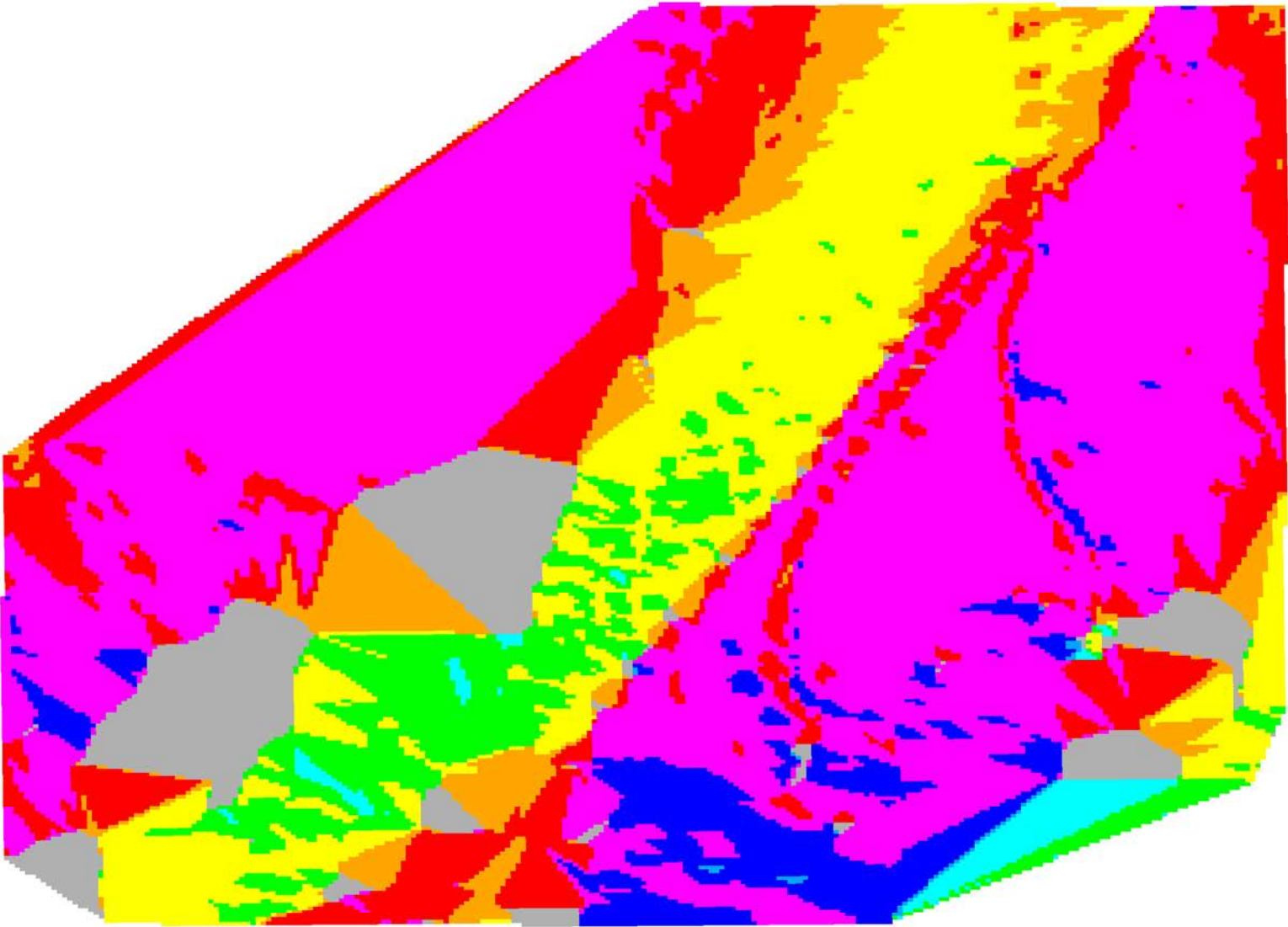
GOAL

- TRAIL HEAD TO REDFISH LAKE AND REST AREA
- RECREATION PLAZA
 - WINTER
 - SUMMER
- HISTORICAL AND MEMORIAL SQUARE



MOUNTAI VIEW

GIS INVENTORY



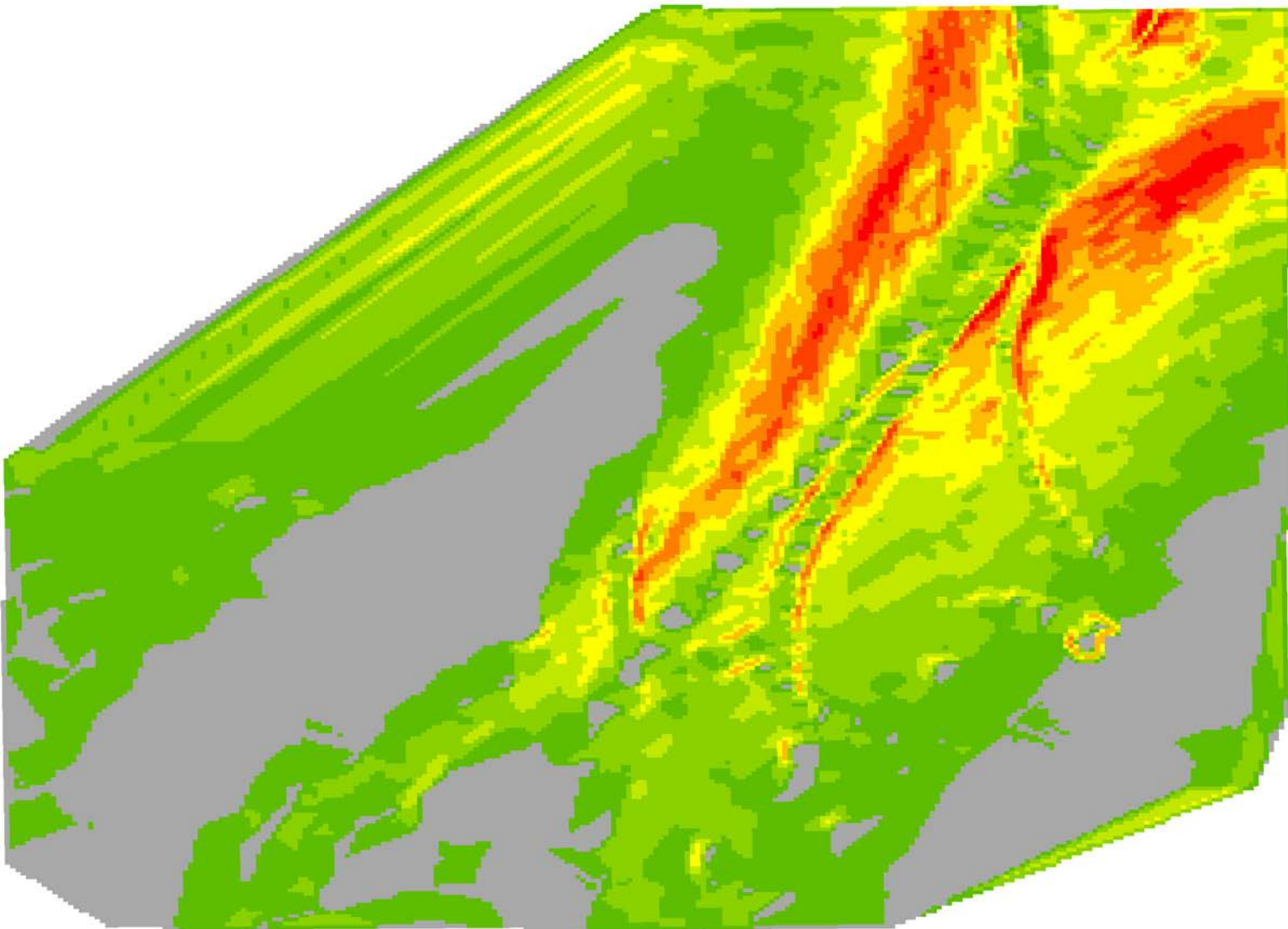
ASPECT MAP

MOST ASPECTS OF THIS SITE ARE FACING TO THE NORTH AND NORTHWEST. AND ABOUT ONE FOURTH IS FACING TO THE EAST. THE EXISTING BALL FIELD IS ALMOST FLAT. THIS IS THE REASON THERE IS FEW TREES ON THE SITE, MOSTLY ARE HERBACEOUS PLANTS.



PROGRAMMING

ACTIVITY	EXPERIENCE	REQUIREMENTS
WINTER RECREATION	LET PEOPLE FEEL THE FUN OF WINTER STANLEY	ICE RINK FOR BOTH WINTER AND SUMMER. SQUARES FOR THE WINTER EVENTS.(I.E. ICE SCULPTURE EXHIBITIONS, FESTIVALS, ETC.)
SUMMER RECREATION	OUT DOOR ACTIVITIES (I.E. BALL GAMES, PICNIC, FRISBEE GOLF, ETC.)	PATH, PLAYGROUND, PICNIC/BBQ AREA, BENCHES ARE NEEDED FOR THE PARK.
TRAILHEAD	A TRAIL TO REDFISH LAKE	BATHROOMS, PARKING, RESTAREA ARE REQUIRED
CIRCULATION	CONNECTION OF THE CITY, PARK AND TRAIL	IT WILL PROVIDE EASY CONNECTION BETWEEN CITY AND THE TRAIL TO RED-FISH LAKE. IT ALSO HAS THE INSIDE PATH WAY TO GET THROUGH EACH PART OF THE PARK.
SECURITY	SAFETY FOR EACH PERSON WHO VISIT THE SITE.	LIGHTING AROUND THE SITE INCLUDE PLAYGROUND, PARKING, ALONE PATH. TRASH CANS AND RECYCLE BINS NEAR BENCHES, RESTROOMS, PICNIC AREA AND PLAYGROUND.
PLANTING	TREES, SHRUBS, GROUND COVER AND FLOWERS ARE NECESSARY.	SOME EVERGREEN TREES AND SHRUBS TO REPRESENT THE EDGE OF EACH PART IF IT IS NEEDED. SOME DIFFERENT COLOR PLANTS CAN EMPHASIZE THE SITE. DEVELOP THE COMMUNITY GARDEN.
CONSTRUCTIONS	A GOOD PARK CAN NOT BE LIKED WITHOUT THE CONSTRUCTIONS.	THE HISTORIC BUILDINGS MAY NEED BE RECONSTRUCTED. REPLACE A NEW PLAY STRUCTURE AS CLIENTS REQUIREMENT. PAVE THE PARKING LOTS WITH CONCRETE OR ASPHALT.
DRAINAGE	DRAIN OFF RAIN WATER AND STORM WATER.	GRADE THE LAND, SET SOME SEWERS IF NECESSARY.
PARKING	AUTOMOBILE PARKING AND BIKE PARK-ING	DEVELOP THE EXISTING PARKING LOTS. PAVE IT AND REMARK THE PARKING LINES AND SYMBOLS. LEAVE SPACE FOR BUS OR OTHER VEHICLES.
ADA ACCESSIBILITY	EQUAL OPPORTUNITIES FOR ENJOY THE PARK.	TWO ADA PARKING SPACES WITH ACCESS LANES NEAR PICNIC AREA AND PLAYGROUND. RAMPS NOT TO EXCEED 8.3% GRADE, 6% OR LESS SLOPE ON WALKING PATH.
HISTORICAL AND MEMO-RIAL	FOR THE PURPOSE OF EDUCATION AND MEMORIAL	RECONSTRUCTION OR REDECORATE THE MEMORIAL HOUSINGS, SET BULLETIN BOARDS, OR BUILD SYMBOLIC SCULPTURES IF NEED.



SLPOE MAP

ABOUT 80% OF THE SITE IS FLAT OR ONLY IN A SMALL SLOPE WHICH IS LESS THAN 12%. TWO BUFFER ZONE ALONE THE ROAD IS UNDER A BIG SLOPE BETWEEN 24.2% TO 44%. THESE SLOPES CAN DRAIN RAIN WATER OR STORM WATER OUT OF THE SITE. BUT IN THE OTHER HAND, WA-

TER CAN WASH OUT THE SOIL AT THE SAME TIME.



PICTURES FOR THE EXISTING SITE AND ENVIRONMENT



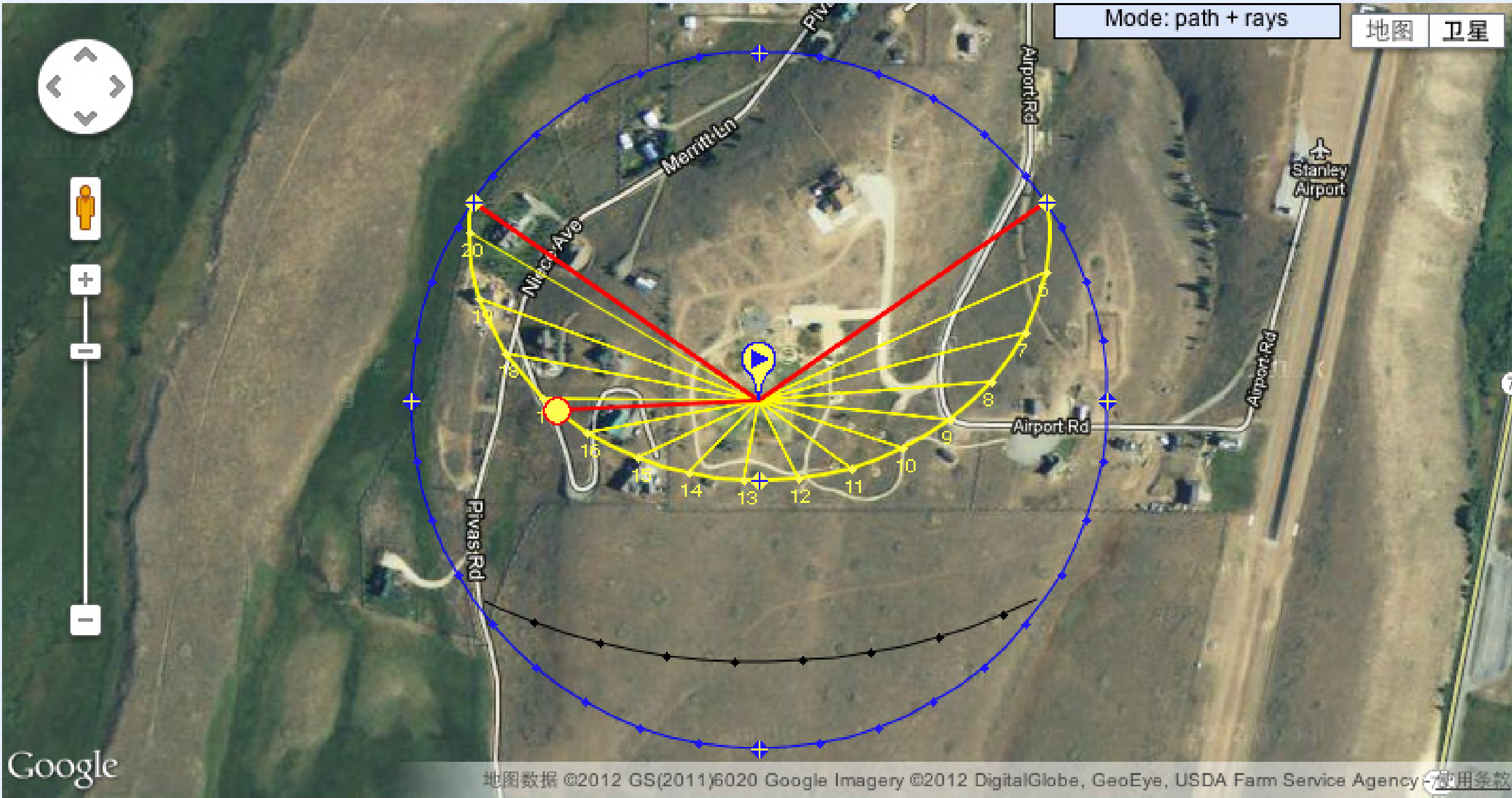
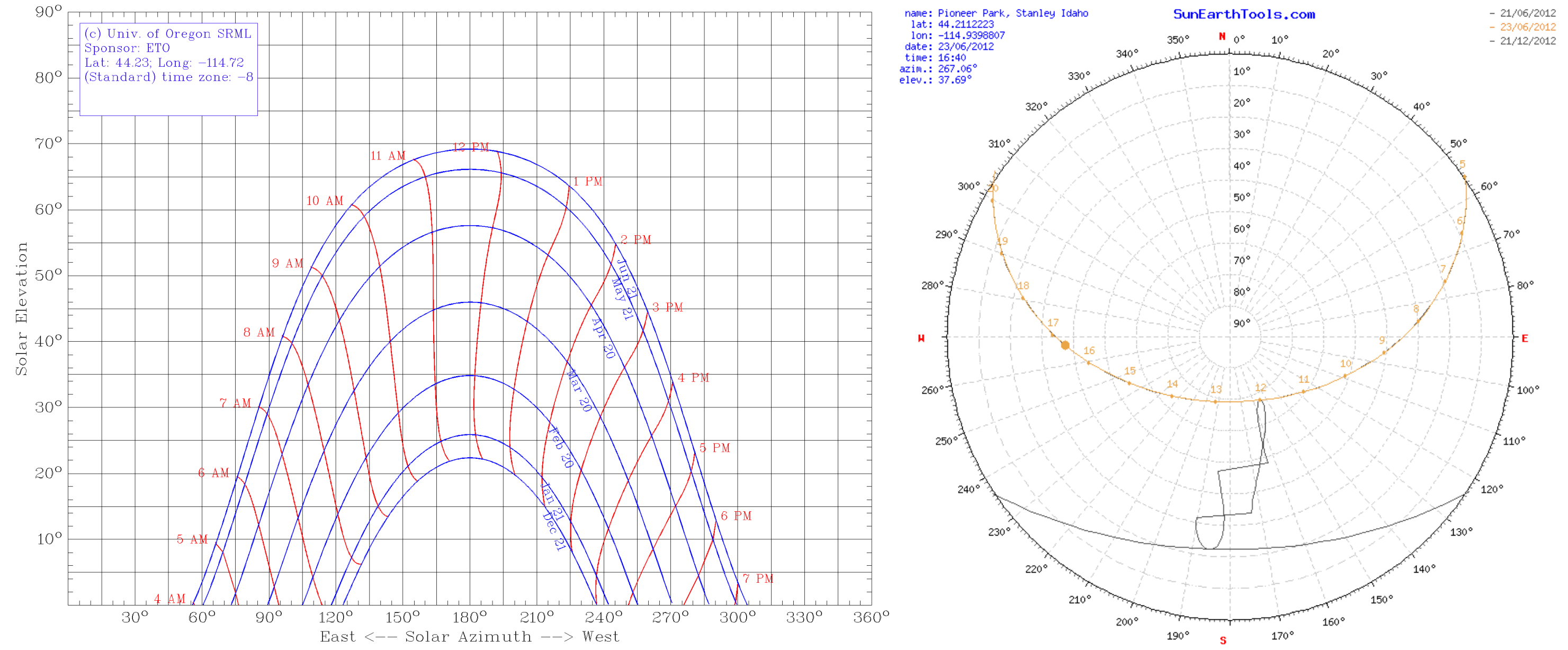
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SOLAR DIAGRAMS



THE TWO SUN DIAGRAM SHOW THE MAXIMUN SUN ANGLE WILL NOT BE BIGGER THAN 80 DEGREES DURING THE SUMMER, AND IN WINTER THE SUN IS VERY LOW THAT AROUND 20 DEGREES. A SPECIFIC DAY IN SUMMER WAS CHOSEN FOR AN EXAMPLE SHOWS THE DAY LIGHT LASTS FOR 15 HOURS. SO, DURING THE SUMMER, PEOPLE CAN HAVE A LOT OF OUTDOOR ACTIVITIES IN STANLEY IDAHO.

PLANTS



PINUS STROBUS, COMMONLY KNOWN AS THE EASTERN WHITE PINE, IS A LARGE PINE NATIVE TO EASTERN NORTH AMERICA. WHITE PINES, PINUS STROBUS, PREFER WELL-DRAINED SOIL AND COOL, HUMID CLIMATES, BUT ALSO GROW IN BOGGY AREAS AND ROCKY HIGHLANDS.

THE SUGAR MAPLE (ACER SACCHARUM) MAKES AN EXCELLENT SHADE AND LAWN TREE, WITH AN UPRIGHT OVAL TO ROUNDED SHAPE AND REACHING 80 FEET HIGH AND UP TO 60 FEET WIDE. IT DOESN'T TOLERATE SALT, SOIL COMPACTION, OR AIR POLLUTION.



THE RED MAPLE (ACER RUBRUM) IS A NATIVE TREE WITH SHOWY ORANGE TO RED FLOWERS IN SPRING, AND ORANGE TO CRIMSON FALL LEAVES ON TREES REACHING ABOUT 50 FEET HIGH. THE RED MAPLE TOLERATES WET SOILS BETTER THAN THE SUGAR MAPLE, BUT ISN'T AS DROUGHT TOLERANT, SO IS SOMETIMES CALLED SWAMP MAPLE. BEST GROWTH AND COLOR IN RED MAPLES IS IN ACIDIC SOILS.

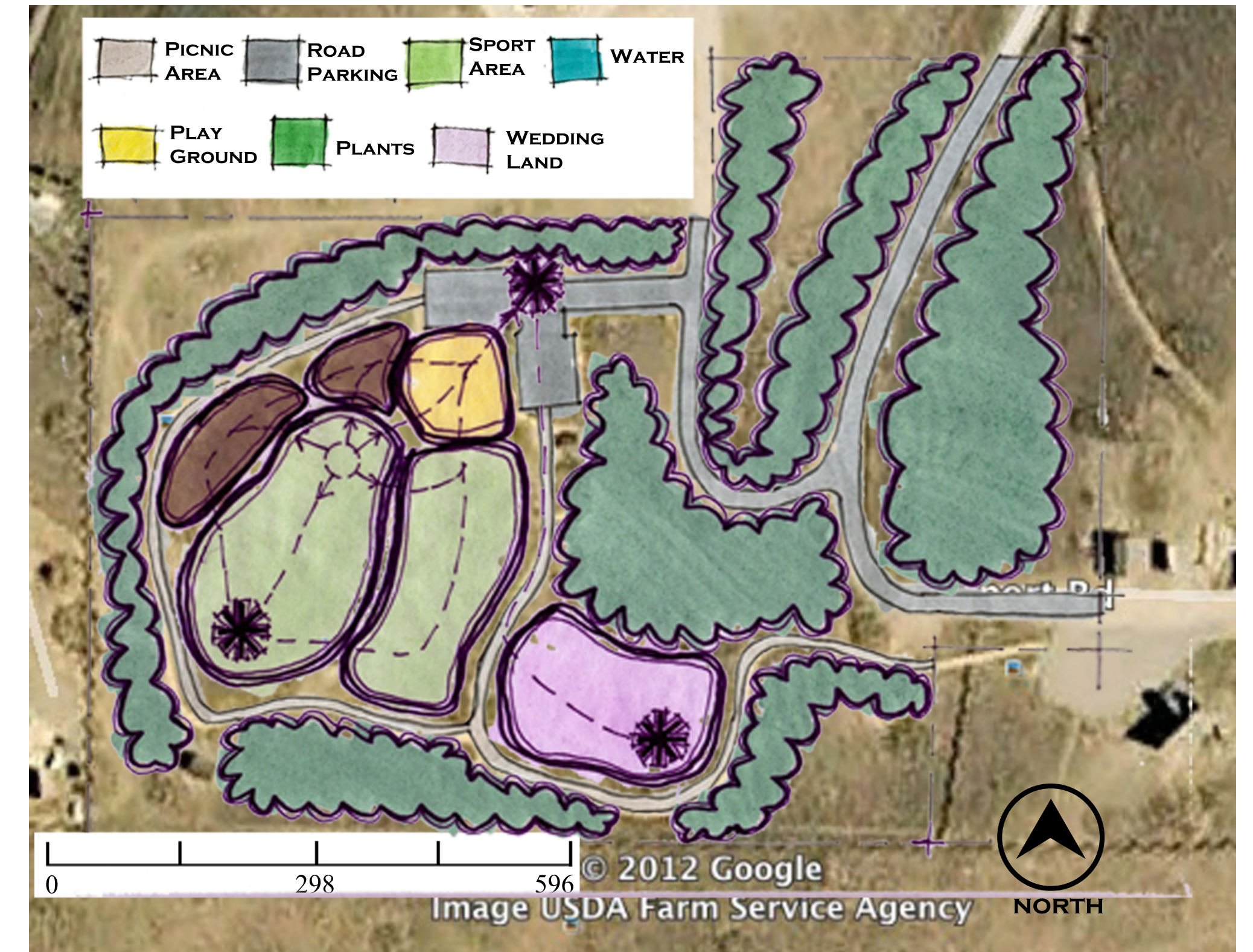
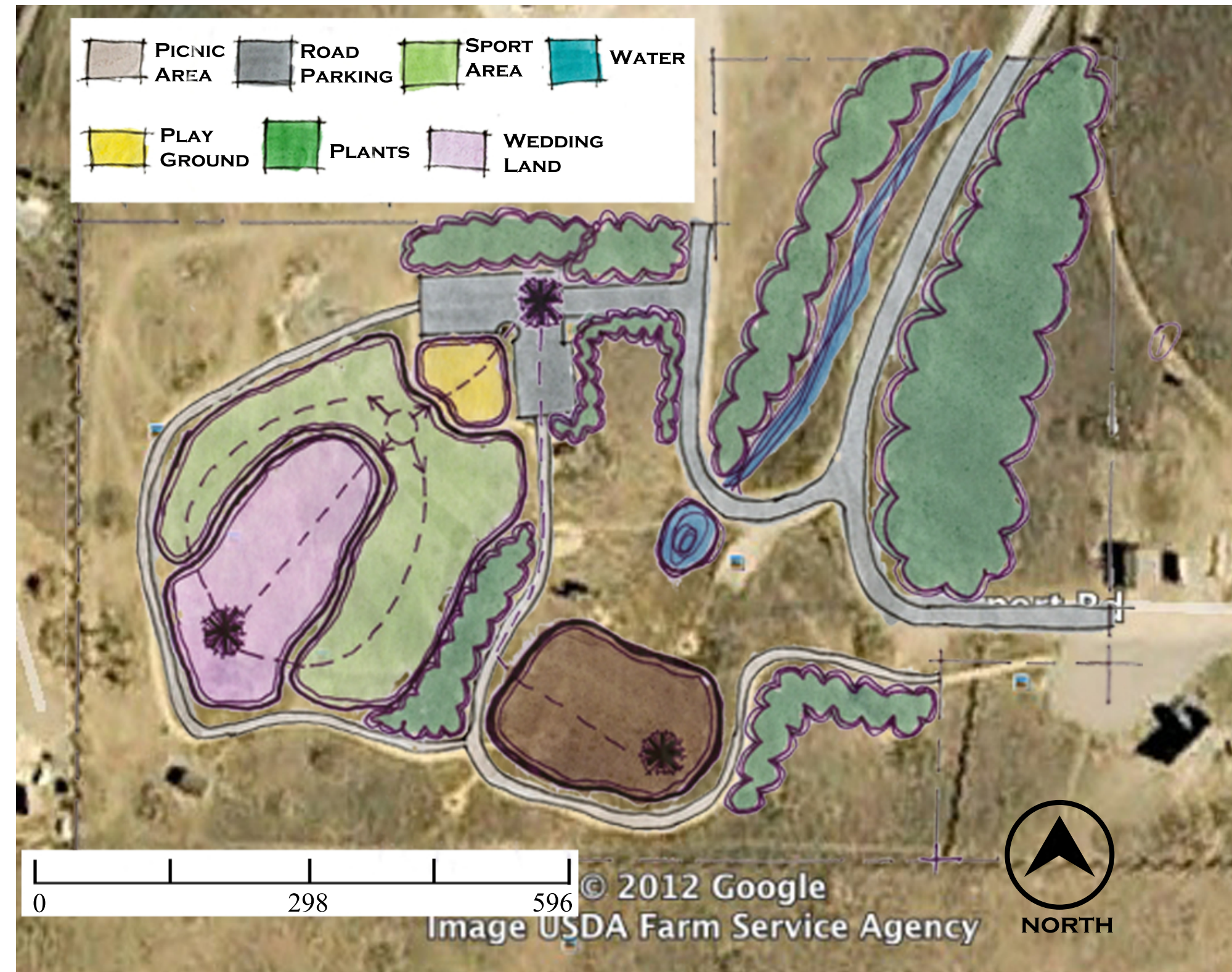
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CONCEPT PLANS



OPEN VIEW

COMBINE WEDDING AREA AND SPORT AREA, PROVIDE THE MAXMUN VIEW. KEEP THE EXISTING PICNIC AREA. MAKE THE LOWEST POINT AS A POND

AVERAGE AREA

GIVE EVERY PIECE ABOUT THE SAME SIZE. WEDDING AREA WILL BE SETTING NEAR THE POND THAT MAKES IT ROMANTIC. PUT PLAY GROUND, PICNIC AREA AND SPORT AREA TOGETHER. SO PEOPLE CAN GET BREAK IF THEY FEEL TIRED.

MUTI-USE SPACE

DIVIDE EACH ELEMENT INTO SMALLER PIECES. PROVIDE SPACE FOR DIFFERENT PURPOSE. MAXIMUN THE VEGETATION TO BUF- FER THE NOISE AND KEEP SOIL.

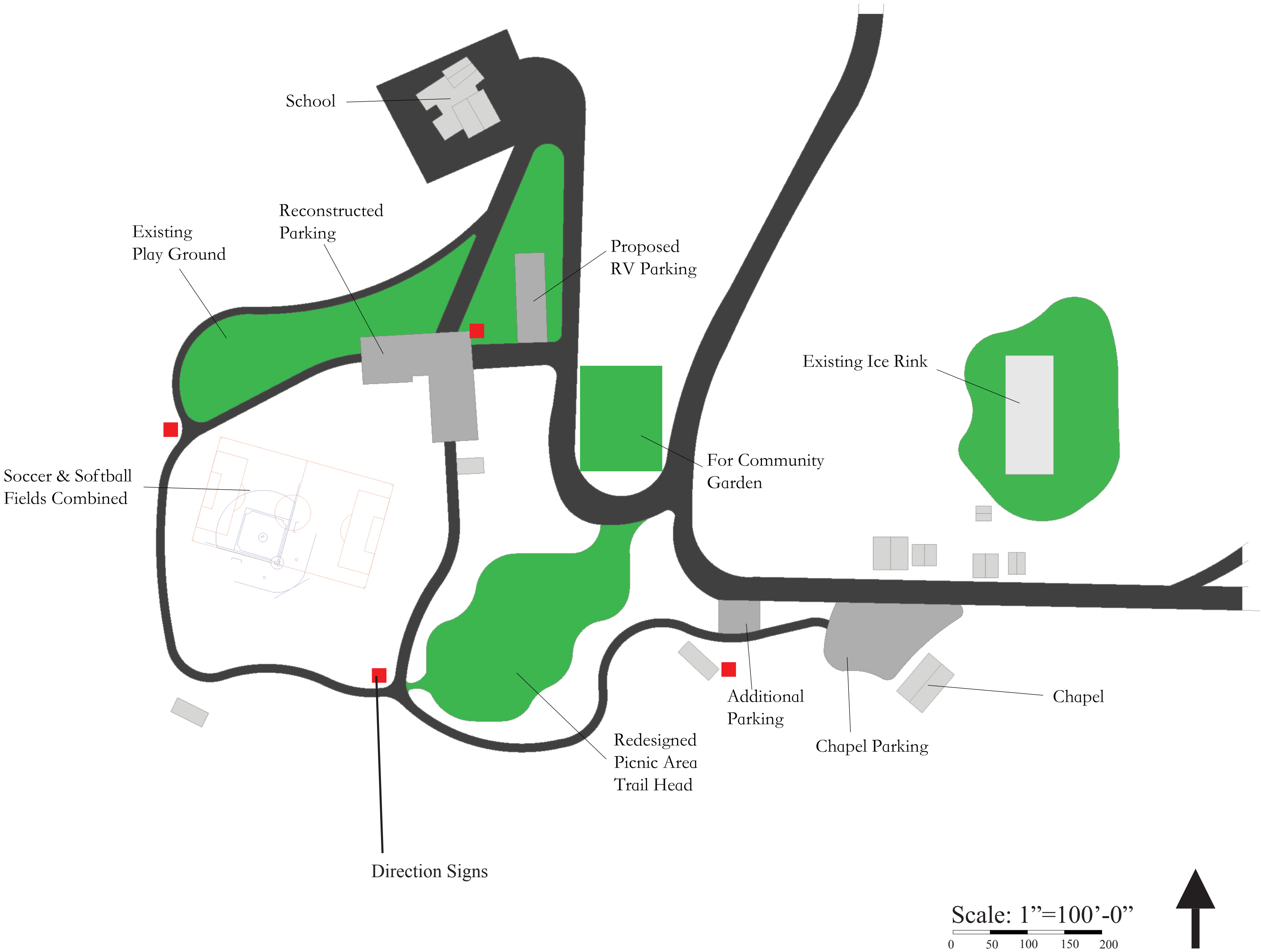
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PRELIMINARY MASTER PLAN



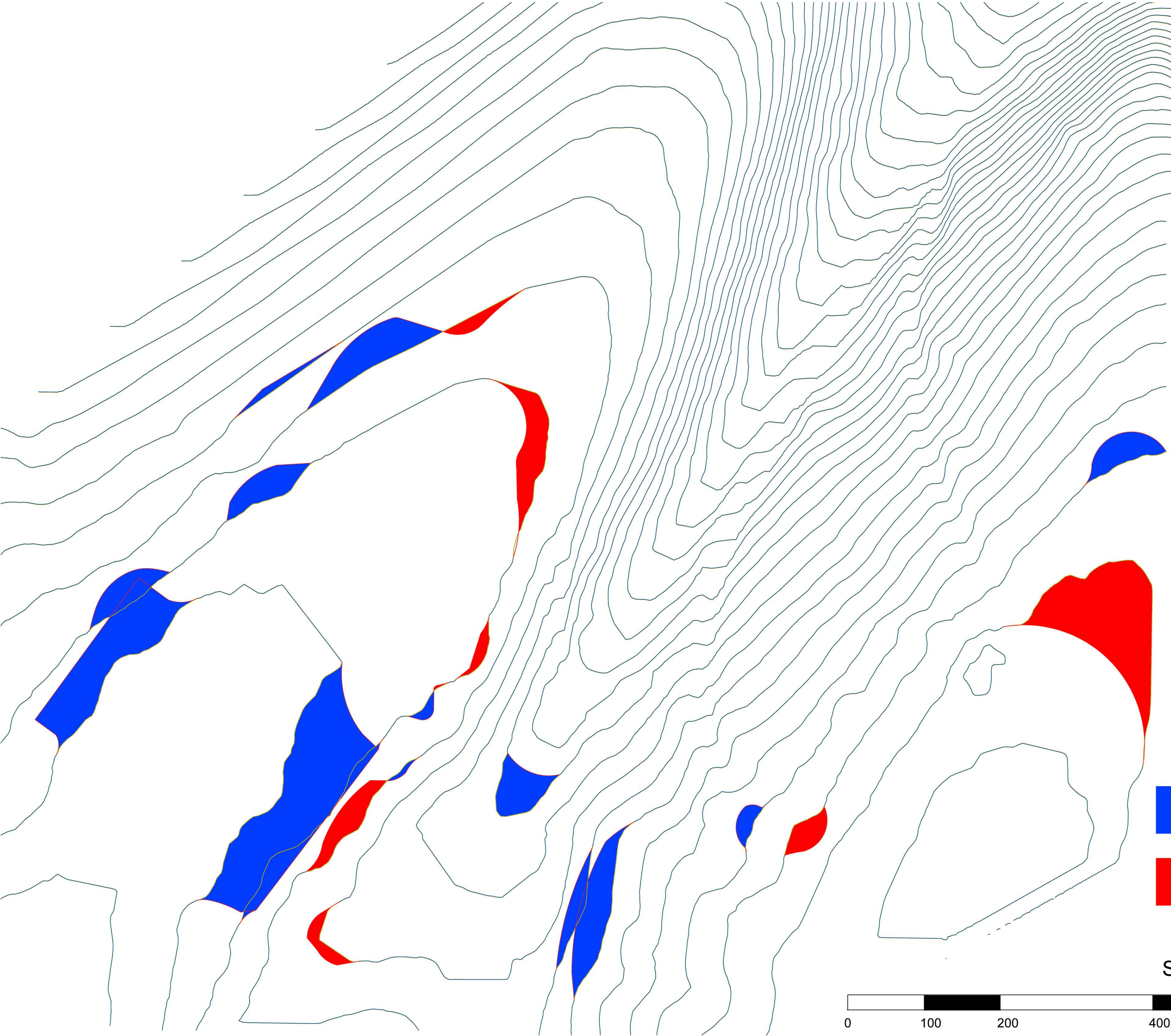
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CUT & FILL



CUT & FILL CALCULATION

	VOLUME (FT3)	VOLUME(YD3)
FILL	135655.32	5024.27
CUT	-60195.6	-2229.47
TOTAL	75459.72	2794.8

ON-SITE COST (\$2.50/YD3) FOR TOTAL CUT-AND-FILL VOLUME:
ONSITE=\$2.50/YD3(FILL-CUT)=\$6987

OFF-SITE COST \$5/ YD3 FOR FILL, AND \$3/ YD3 FOR CUT:
OFFSITE=\$5/ YD3 X FILL + \$3/ YD3 X CUT= \$31809.76

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UNPAVED ADDITIONAL
PARKING \

RV & BIG VEHICLE PARKING

RED MAPLES & SUGAR MAPLES FOR BUFFER AND SOIL HOLDER

PROPOSED PATHWAY

EXISTING PLAY
GROUND AREA

EXISTING TREES

COMBINED
SOCCER &
SOFTBALL
FIELD

EXISTING
RESTROOMS

DIRECTION SIGNS

WEDDING & PICNIC AREA, TRAIL HEAD

YOUNG PINES FOR BUFFER DUST

PAVED ADDITIONAL
PARKING WITH SOLAR
LIGHTING

PAVED SKATING AREA

UNPAVED ADDITIONAL
PARKING

PAVED CHAPEL PARKING WITH SOLAR LIGHTING & ADA

YOUNG PINES FOR SHAD- OW

Scale: 1"=60'-0"

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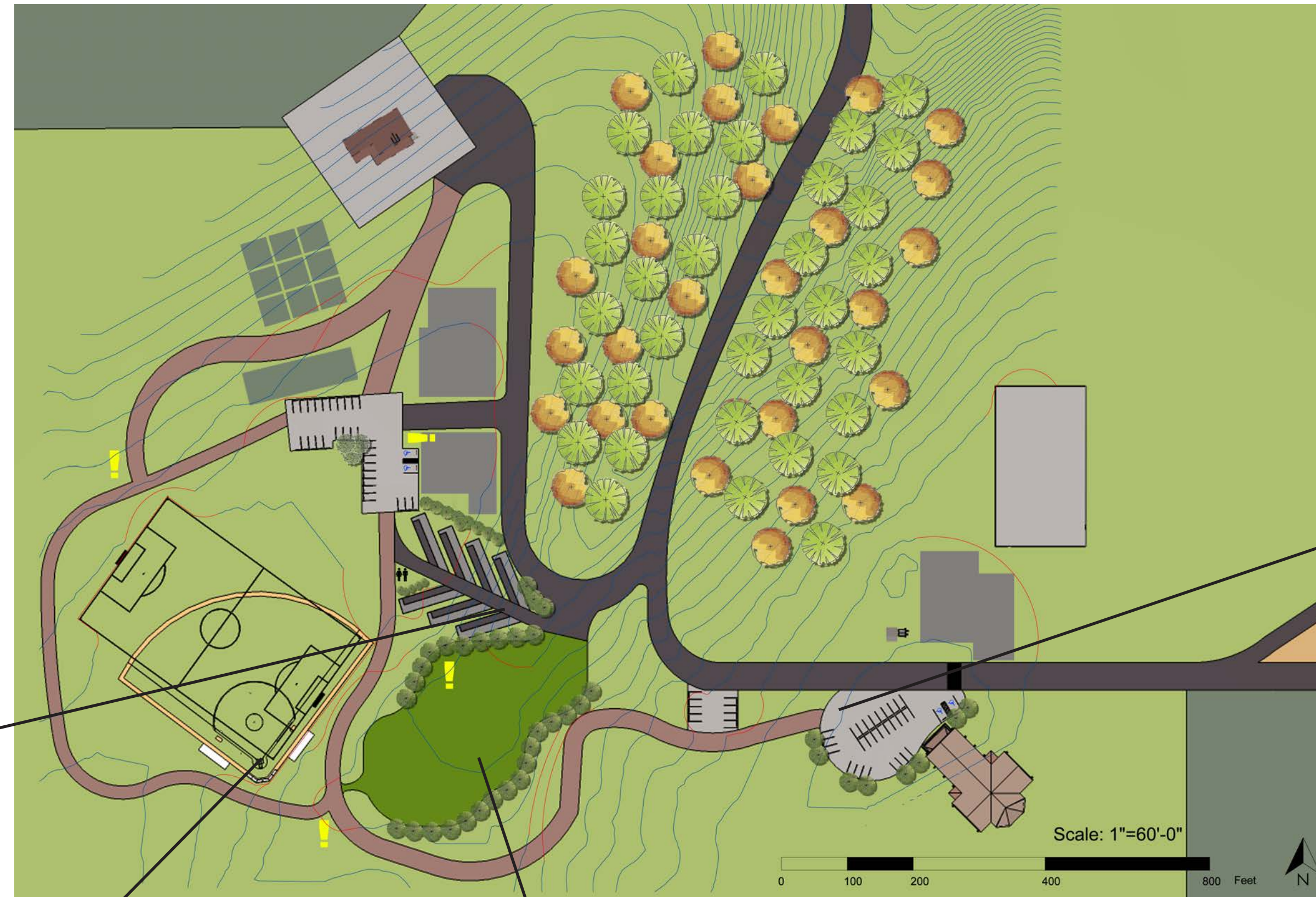
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PERSPECTIVE VIEWS

MASTER PLAN



RV PARKING



CHAPEL PARKING



BALL FIELDS



PICNIC & WEDDING AREA

REFERENCE

Sun Angle: <http://www.sunearthtools.com>

Softball: <http://www.markersinc.com/athletic/softballfp-field-dimensions.pdf>

Soccer: http://www.soccerhelp.com/Soccer_Field_Size.shtml

<http://www.sportsknowhow.com/soccer/dimensions/soccer-dimensions.html>

Parking: http://www.menlopark.org/departments/trn/park_guide.pdf

RV: <http://www.mto.gov.on.ca/english/pubs/recreational-vehicles/part5.shtml>

http://www.rv-coach.com/rv/types/classes/rv_types.html